

## State Water Resources Control Board

### UST CASE CLOSURE SUMMARY

#### Agency Information

Current Agency Name: State Water Resources Control Board (State Water Board)	Address: 1001 I Street, P.O. Box 2231 Sacramento, CA 95812
Current Agency Caseworker: Mr. Matthew Cohen	Case No.: N/A

Former Agency Name: Los Angeles County Department of Public Works (Prior to 7/1/2013)	Address: 900 South Fremont Avenue Alhambra, CA 91803
Former Agency Caseworker: Mr. John Awujo	Case No.: TT018721-026750

#### Case Information

USTCF Claim No.: None	Global ID: T0603793085
Site Name: J.D. Fields Lumber	Site Address: 1751 West 130 <sup>th</sup> Street Gardena, CA 90249 (Site)
Responsible Party: J.D. Fields Lumber Company Attention: Mr. John Fields	Address: 1751 West 130 <sup>th</sup> Street Gardena, CA 90249
USTCF Expenditures to Date: N/A	Number of Years Case Open: 15

URL: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0603793085](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603793085)

#### Summary

The Low-Threat Underground Storage Tank Case Closure Policy (Policy) contains general and media-specific criteria, and cases that meet those criteria are appropriate for closure pursuant to the Policy. This case meets all of the required criteria of the Policy.

Residual petroleum constituents at the Site were discovered when three underground storage tanks (USTs) were removed in April 1999. Low concentrations of petroleum constituents were detected beneath one of the former USTs at approximately 10 and 18 feet below ground surface (bgs) during the USTs removal. The Site is currently operated as a lumber yard.

Groundwater was not encountered during the USTs removal to a maximum explored depth of approximately 18 feet bgs. The depth of the shallow water bearing zone is estimated to be 40 to 49 feet bgs. The depth of the deep water bearing zone is estimated to be 88 to 100 feet bgs. The nearest public supply well and surface water body are greater than 1,000 feet from the Site. Additional corrective action will not likely change the conceptual site model. Residual petroleum constituents pose a low risk to human health, safety, and the environment.

### Rationale for Closure under the Policy

- General Criteria – Site **MEETS ALL EIGHT GENERAL CRITERIA** under the Policy.
- Groundwater Media-Specific Criteria – Site releases **HAVE NOT LIKELY AFFECTED GROUNDWATER**. Groundwater was not encountered during the USTs removal to a maximum explored depth of approximately 18 feet bgs. The depth of the shallow water bearing zone is estimated to be 40 to 49 feet bgs. The depth of the deep water bearing zone is estimated to be 88 to 100 feet bgs. There are not sufficient mobile constituents (leachate, vapors, or light non-aqueous phase liquids) to cause groundwater to exceed the groundwater criteria in this Policy.
- Petroleum Vapor Intrusion to Indoor Air Criteria – Site meets **CRITERION 2 (b)**. A site-specific risk assessment for the vapor intrusion pathway was conducted. The assessment found that there is a low risk of petroleum vapors adversely affecting human health. The detections of volatile petroleum constituents in soil at the Site were very low. Additionally, the structures in the vicinity of the former USTs are open air sheds used for lumber storage; therefore, accumulation of vapors is not likely.
- Direct Contact and Outdoor Air Exposure Criteria – Site meets **CRITERION 3 (a)**. Maximum concentrations of residual petroleum constituents in soil are less than or equal to those listed in Table 1 of the Policy. The estimated naphthalene concentrations are less than the thresholds in Table 1 of the Policy for direct contact. There are no soil sample results in the case record for naphthalene. However, the relative concentration of naphthalene in soil can be conservatively estimated using the published relative concentrations of naphthalene and benzene in gasoline. Taken from Potter and Simmons (1998), gasoline mixtures contain approximately 2% benzene and 0.25% naphthalene. Therefore, benzene concentrations can be used as a surrogate for naphthalene concentrations with a safety factor of eight. Benzene concentrations from the Site are below the naphthalene thresholds in Table 1 of the Policy. Therefore, estimated naphthalene concentrations meet the thresholds in Table 1 and the Policy criteria for direct contact with a safety factor of eight. It is highly unlikely that naphthalene concentrations in the soil, if any, exceed the threshold.

### Recommendation for Closure

The corrective action performed at this Site ensures the protection of human health, safety, and the environment, and is consistent with chapter 6.7 of the Health and Safety Code and implementing regulations, applicable state policies for water quality control, and the applicable water quality control plan, and case closure is recommended.



George Lockwood, PE No. 59556  
Senior Water Resource Control Engineer

12/12/2014

Date

